



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/527,111

03/08/2005

Madan Pushpakath

SG 020023

9521

24737

7590

05/10/2006

PHILIPS INTELLECTUAL PROPERTY & STANDARDS

P.O. BOX 3001

BRIARCLIFF MANOR, NY 10510

EXAMINER

RIVERO, MINERVA

ART UNIT

PAPER NUMBER

2627

DATE MAILED: 05/10/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)	
	10/527,111	PUSHPAKATH ET AL.	
	Examiner	Art Unit	
	Minerva Rivero	2627	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 08 March 2005.
- 2a) ☐ This action is FINAL.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 08 March 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                        | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)               | Paper No(s)/Mail Date. _____  |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                                    |

## DETAILED ACTION

### *Priority*

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2, 3, 7

3. Claim 1<sub>2, 3, 7</sub> is rejected under 35 U.S.C. 102(b) as being anticipated by Noda *et al.* (US 2001/0004342 A1).

4. Regarding claim 1, Noda *et al.* disclose an apparatus for reading or writing information on a circular information carrier having a periphery, said apparatus comprising a turntable for clamping and rotating said information carrier, said information carrier having an initial tilt from the radial direction of the turntable, characterized in that said apparatus comprises additional means for applying an end

Art Unit: 2627

load to the periphery of said information carrier, so as to apply a tilt of known value to said information carrier with respect to the radial direction of the turntable, said known value being larger than said initial tilt ([0054], Lines 1- 12; [0055], Lines 3-6, see Fig. 2).

5. Regarding claim 2, Noda *et al.* disclose said additional means comprise a cover having a circular ring intended to be in contact with the periphery of said information carrier when the cover is clamped in said turntable ([0053], Lines 9-10, see Fig. 2; Fig. 6, element 12).

6. Regarding claim 3, Noda *et al.* disclose said additional means comprise a circular ring interdependent with said turntable, the circular ring intended to be in contact with the periphery of said information carrier when the cover is clamped in said turntable ([0053], Lines 9-10, see Fig. 2; Fig. 6, element 12; [0065], Lines 22-26).

7. Regarding claim 7, Noda *et al.* disclose the turntable comprises an area for supporting said information carrier, said surface being tilted to said known value in the radial direction ([0054], Lines 1- 12; [0055], Lines 3-6, see Fig. 2).

***Claim Rejections - 35 USC § 103***

8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

9. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Noda *et al.* (US 2001/0004342 A1) in view of Liu (US Patent 5,040,164).

10. Regarding claim 4, Noda *et al.* do not explicitly disclose but Liu does disclose said additional means comprise a wheel rotating freely around a shaft interdependent with said apparatus, said wheel being intended to be in contact with the periphery of said information carrier when said information carrier is clamped in said turntable (Col. 2, Lines 54-68; see Fig. 1, element 81; see Fig. 3, element 81).

Therefore it would have been obvious to one ordinarily skilled in the art at the time of the invention to supplement the teachings of Noda *et al.* and have said additional means comprise a wheel rotating freely around a shaft interdependent with said apparatus, said wheel being intended to be in contact with the periphery of said information carrier when said information carrier is clamped in said turntable, as disclosed by Liu, in order to balance the disc.

Art Unit: 2627

11. Claims 5 and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Noda *et al.* (US 2001/0004342 A1), in view of Nakamura *et al.* (US 6,088,203).

12. Regarding claims 5 and 6, Noda *et al.* does not explicitly disclose but Nakamura *et al.* do disclose said apparatus comprises:

- an optical pick-up unit intended to move along a guide shaft, said guide shaft being parallel to the radial direction of the turntable (Col. 11, Lines 46-52 and 57-64),

- an actuator fixed on said optical pick-up unit and being centered on an optical axis, said optical axis being perpendicular to the radial direction of said information carrier (Col. 11, lines 39-44).

Therefore it would have been obvious to one ordinarily skilled in the art at the time of the invention to supplement the teachings of Noda *et al.* by having an optical pick-up unit intended to move along a guide shaft, said guide shaft being parallel to the radial direction of the turntable and an actuator fixed on said optical pick-up unit and being centered on an optical axis, said optical axis being perpendicular to the radial direction of said information carrier, as taught by Nakamura *et al.*, in order to enable the optical pick-up to scan the recording medium as guided by the guide shaft, and to actuate the optical pick-up unit.

**Conclusion**

13. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Furukawa *et al.* (US Patent 6,160,780) disclose a disc drive including a disc clasper.

Mukawa (US Patent 5,226,024) discloses a disk recording apparatus with means for moving a magnetic field toward and away from the disk.

Saito *et al.* (US Patent 6,137,765) disclose an optical drive apparatus with inclination angle correcting mechanism.

Fujisawa *et al.* (US Patent 5,497,366) disclose an optical pick-up device using a multi-lens holder.

Ikeda (US 4,661,943) discloses an optical data reader that includes means for maintaining an orthogonal relation between an optical axis of the laser beam and the recording medium.

14. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Minerva Rivero whose telephone number is (571) 272-7626. The examiner can normally be reached on Monday-Friday 9:00 am - 6:00 pm.

Art Unit: 2627

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wayne Young can be reached on (571) 272-7582. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MR 5/1/06



**WAYNE YOUNG**  
**SUPERVISORY PATENT EXAMINER**